EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(10/665,137).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/09 10:14
S2	0	(98/00661).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/09 10:14
S3	0	"10,665,137"	US-PGPUB; USPAT	OR	ON	2005/02/09 12:00
S4	0	98/00661	US-PGPUB; USPAT	OR	ON	2005/02/09 09:58
S5	0	"19652391"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:55
S6	0	"10243956"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:56
S7	0	"10243956.7"	US-PGPUB; USPAT	OR	ON	2005/02/09 10:00
S8	0	"10243956.7-13"	US-PGPUB; USPAT	OR	ON	2005/02/09 10:13
S9	0	"9906893"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:57
S10	0	(10/665,137).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/09 11:57
S11	0	(98/00661).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF.	2005/02/09 11:57
S12	1	"19652391"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:14
S13	3	"10243956"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:15

EAST Search History

S14	4	"9906893"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:59
S15	12917	solenoid near (drive driver driving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:57
S16	986	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT traansistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:58
S17	2872	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:58
S18	628	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 10:59
S19	47	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 12:50
S20	0	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection) and "50" adj hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:16
S21	0	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection) and "100" adj hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:17
S22	0	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection) and "200" adj hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:17

EAST Search History

S23	46	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection) and frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:27
S24	0	solenoid near (drive driver driving) and (pwm pulse near width) and voltage near (protect protecting protection) and frequency near hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:28
S25	10	solenoid near (drive driver driving) and (pwm pulse near width) and frequency near hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:35
S26	47	solenoid near (drive driver driving) and frequency near hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:54
S27	5	solenoid near (drive driver driving) same frequency near hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:43
S28	0	2004/0105209	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:54
S29	0	"19652391"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:56
S30	0	"10243956"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:55
S31	3	"10243956"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:56
S32	0	"19652391"	US-PGPUB; USPAT	OR	ON	2005/02/09 11:56
S33	1	"19652391"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:56

EAST Search History

S34	3	"10243956"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:56
S35	4	"9906893"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 11:57
S36	0	(10/665,137).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/09 11:57
S37	0	(98/00661).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/02/09 11:57
S38	0	"10243956.7-13"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 12:00
S39	1	"10/665,137"	US-PGPUB; USPAT	OR	ON	2005/02/09 12:46
S40	13	"5,743,373"	US-PGPUB; USPAT	OR	ON	2005/02/09 12:47
S41	251	"5,734,373"	US-PGPUB; USPAT	OR	ON	2005/02/09 12:47
S42	29	solenoid near (drive driver driving) and (MOSFET MOS FET IGBT transistor) and (pwm pulse near width) and voltage near (protect protecting protection) and (car automotive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 12:57
S43	18	solenoid near (drive driver driving) and voltage near (protect protecting protection) and (car automotive) and engine near control	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 14:03
S44	2	solenoid near (drive driver driving) near controller and (car automotive) and engine near (control controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 14:04

EAST Search History

S45	2264	solenoid near (drive driver driving) near (control controlling controller)Z and (car automotive) and engine near (control controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 14:05
S46	24	solenoid near (drive driver driving) near (control controlling controller) and (car automotive) and engine near (control controller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:16
S47	14	"5,743,373"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 14:08
S48	259	"5,734,373"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR-	ON	2005/02/09 14:08
S49	2	solenoid near valve near (driver driving drive) and frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:18
S50	102	solenoid near valve and frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:22
S51	7	solenoid near valve same frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:25
S52	41	solenoid same frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:26
S53	1	solenoid near frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:26
S54	5	solenoid near3 frequency near Hz	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:30

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S55	12	"4,851,959"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 15:30
S56	537	361/139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/09 16:10
S57	1093	361/152	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 10:02
S58	883	361/91.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 11:05
S59	1073	361/91.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/02/10 12:18
S60	1	10/665,137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 16:06
S61	0	99/06983	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 16:07
S62	4	"9906983"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/06/17 16:07
S63	11243	solenoid near (drive driver driving)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:12

S64	1141	solenoid near (drive driver driving) and (pwm or pulse near width)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:13
S65	49	solenoid near (drive driver driving) and (pwm or pulse near width) and voltage near (protect protecting protection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:13
S66	0	solenoid near (drive driver driving) and (pwm or pulse near width) and voltage near (protect protecting protection) and pulse near mode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:13
S67	11	solenoid near (drive driver driving) and (pwm or pulse near width) and voltage near (protect protecting protection) and high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:16
S68	12	solenoid near (drive driver driving) and voltage near (protect protecting protection) and high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:17
S69	67	solenoid near (drive driver driving) same high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:05
S70	0	solenoid near (drive driver driving) near high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:18
S71	4	solenoid near (drive driver driving) near3 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:25

S72	8	solenoid near (drive driver driving) near5 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:30
S73	11	solenoid near (drive driver driving) near6 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:52
S74	44	("2399065" | "3153229" | "3324356" | "3671814" | "3754154" | "3846682" | "3932792" | "4150653" | "4368501" | "4434450" | "4450427" | "4479162" | "4578604" | "4608620" | "4638279" | "4656400" | "4659969" | "4665348" | "4700165" | "4710740" | "4793263" | "4868708" | "4910633" | "4978865" | "5053911" | "5093754" | "5128825" | "5264982" | "5267091" | "5359490" | "5381297" | "5406440" | "5442515" | "5442671" | "5467244" | "5539608" | "5546268" | "5602711" | "5621603" | "5673165" | "5724223").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/17 16:48
S75	15	"5,467,244"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:52
S76	17	"5,406,440"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 16:52
S77	0	solenoid near (drive driver driving) same holding near high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:06
S78	0	solenoid near (drive driver driving) same holding near3 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:06

S79	3	solenoid near (drive driver driving) and holding near3 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:10
S80	3	solenoid near (drive driver driving) and holding near4 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:10
S81	3	solenoid near (drive driver driving) and holding near5 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:16
S82	3	solenoid near (drive driver driving) and holding near6 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:11
S83	52	solenoid near (drive driver driving) and (pulse pulses) near3 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:11
S84	3	solenoid near (drive driver driving) same (pulse pulses) near3 high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:11
S85	21	solenoid near (drive driver driving) same holding and high near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/17 17:17
S86	13	"4,915,204"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 10:39

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S87	1	10/665,137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 12:00
S88	3	vale and pwm and free near wheel$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 12:01
S89	136	valve and pwm and free near wheel$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:23
S90	5	"6,256,185"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/20 14:24
S91	2188	solenoid and (freewheeling or free adj wheeling or free-wheeling)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 16:21
S92	339	solenoid and (freewheeling or free adj wheeling or free-wheeling) and noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 16:21
S93	38	solenoid and (freewheeling or free adj wheeling or free-wheeling) same noise	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/25 16:21
S94	1	10/665,137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 11:57

S95	14	solenoid near driv$3 same free adj wheeling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:00
S96	0	solenoid near driv$3 same free adj wheeling and pulse near mode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:00
S97	0	solenoid near driv$3 same free adj wheeling and low near frequency	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 12:00
S98	18	("4295177" | "4384213" | "4620259" | "4620260" | "4661766" | "4949215" | "4964014" | "5255152" | "5489831" | "5546268" | "5621603" | "5647387" | "5703748" | "5703750" | "5748431" | "5754386" | "5757605" | "5861746"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 12:04
S99	18	("4295177" | "4384213" | "4620259" | "4620260" | "4661766" | "4949215" | "4964014" | "5255152" | "5489831" | "5546268" | "5621603" | "5647387" | "5703748" | "5703750" | "5748431" | "5754386" | "5757605" | "5861746"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/30 15:13
S10 0	6	solenoid near proportional and pwm and free adj wheeling	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:16
S10 1	9	solenoid near proportional and pwm and free adj wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:18
S10 2	5	solenoid near proportional and pwm and protect$3 near diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:19

S10 3	5	solenoid near2 proportional and pwm and protect$3 near diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:19
S10 4	9	solenoid near2 proportional and pwm and protect$3 near2 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:22
S10 5	11	solenoid near2 proportional and pwm and protect$3 near3 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:24
S10 6	50	solenoid near2 proportional and pwm and (protect$3 or flyback near3 diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 16:10
S10 7	3	solenoid near2 proportional and pwm and flyback near2 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:24
S10 8	2	solenoid near proportional and pwm and flyback near2 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:24
S10 9	2	solenoid near proportional and pwm and flyback near3 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:25
S11 0	3	solenoid near2 proportional and pwm and flyback near3 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:25

S11 1	14	solenoid near2 proportional and pwm and (protect$3 or flyback) near3 diode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/30 15:27